

DPM 6049

REC'D JUL 30 1987

1544



MATERIAL SAFETY DATA SHEET

6-24-87

CHEMICAL NAME AND SYNONYMS: N/A

CHEMICAL FAMILY: N/A

TRADE NAME: #1544 ROSIN FLUX

FORMULA: MIXTURE

D.O.T. SHIPPING CLASS: FLAMMABLE LIQUID, N.O.S.
(ISOPROPANOL SOLUTION) UN-1219

I. PHYSICAL DATA

BOILING POINT (°F)	170	SPECIFIC GRAVITY (WATER=1)	0.926
VAPOR PRESSURE (mmHg)	40	PERCENT VOLATILE (BY VOLUME)	57
VAPOR DENSITY (AIR=1)	1.8	EVAPORATION RATE (CCl ₄ =1)	0.3
SOLUBILITY IN WATER (% by wt.)	50		
APPEARANCE AND ODOR	DARK AMBER STICKY LIQUID ALCOHOLIC ODOR		

II. HAZARDOUS INGREDIENTS

MATERIAL	%	OSHA-PEL	NIOSH TLV/STEL	C.A.S. REGISTRY #
ISOPROPYL ALCOHOL	49	400ppm	500ppm	67-63-0
ROSIN	50	N/A*	N/A*	8050-09-7
NONE OF THE INGREDIENTS IS LISTED AS CARCINOGENIC BY IARC, NTP OR OSHA				

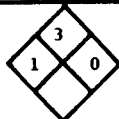
*ROSIN MAY DECOMPOSE DURING HEATING TO EMIT ABOUT 5% TURPENTINE

TLV=100ppm - ROSIN DECOMPOSES, LIBERATING CARBON, SOME ROSIN IS CARRIED UP IN THE SMOKE -

III. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (T.O.C.)	65°F	FLAMMABILITY LIMITS IN AIR (% by volume)			LOWER: 2.5	UPPER: 15		
EXTINGUISHING MEDIA:	WATER		CARBON DIOXIDE	X	ALCOHOL FOAM	X	DRY CHEMICAL	X
SPECIAL FIRE FIGHTING PROCEDURES	USE WATERSPRAY TO COOL FIRE EXPOSED CONTAINERS AND CONTROL VAPORS -							
UNUSUAL FIRE AND EXPLOSION HAZARDS	AUTO IGNITION TEMPERATURE IS 720°F WITHIN FLAMMABLE LIMITS -							

NFPA RATING:



The information contained herein is based on data considered accurate and given in good faith but no warranty, expressed or implied, is made.

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566-11/83

IV. HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: ACGIH TLV/STEL (500ppm); OSHA-PEL (400ppm) - ISOPROPANOL

EFFECTS OF OVER-EXPOSURE: CAUSES EYE IRRITATION - PROLONGED BREATHING CAN CAUSE TRANSIENT NARCOSIS - ROSIN IS AN ALLERGEN - MAY CAUSE ALLERGIC RASH (SKIN), HEADACHE, THROAT IRRITATION IN A SENSITIVE PERSON -
EMERGENCY AND FIRST AID PROCEDURES:EYE CONTACT: FLUSH IMMEDIATELY WITH PLENTY OF WATER - A DILUTE ETHANOL SOLUTION CAN BE USED TO REMOVE ROSIN -
SKIN CONTACT: WASH WITH SOAP AND WATER -

INHALATION: REMOVE TO FRESH AIR -

INGESTION: INDUCE VOMITING - CALL A PHYSICIAN -

V. REACTIVITY DATA

STABILITY:	UNSTABLE	CONDITIONS TO AVOID: NONE
	STABLE	X

INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZERS

HAZARDOUS DECOMPOSITION PRODUCTS: SMALL AMOUNTS OF TURPENTINE

HAZARDOUS	MAY OCCUR	CONDITIONS TO AVOID: NONE
POLYMERIZATION:	WILL NOT OCCUR	X

VI. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: WIPE UP IMMEDIATELY BY SOAKING UP INTO ABSORBENT MATERIAL - REMOVE SOURCES OF IGNITION - CLEAN UP WITH ALKALINE DETERGENT -
WASTE DISPOSAL METHOD: ACCORDING TO LOCAL REGULATIONS - USUALLY BY PYROLYSIS -

VII. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE): ORGANIC VAPOR AIR PURIFYING TYPE -		
VENTILATION	LOCAL EXHAUST: REMOVE SMOKE/	SPECIAL: N/A
	VAPORS FROM BREATHING AREA	
	MECHANICAL (GENERAL): SATISFACTORY	OTHER: N/A

PROTECTIVE GLOVES: NEOPRENE

EYE PROTECTION: SAFETY GOGGLES

OTHER PROTECTIVE EQUIPMENT: NONE

VIII. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: STORE AWAY FROM SOURCES OF IGNITION - AVOID SPATTERING HOT FLUX INTO EYES -

OTHER PRECAUTIONS: STORE AT TEMPERATURES EXCEEDING 60°F TO AVOID CRYSTALLIZATION -